WEEKLY REPORT

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1053 Suicide Prevention Among Active Duty Air Force Personnel — United States, 1990–1999

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Suicide Prevention Among Active Duty Air Force Personnel — United States, 1990–1999

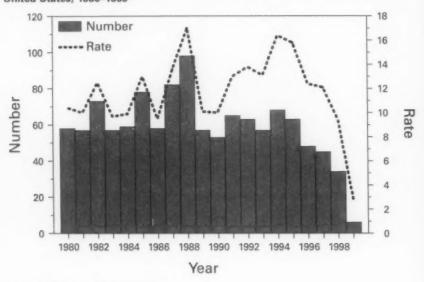
During 1990–1994, suicide accounted for 23% of all deaths among active duty U.S. Air Force (USAF) personnel and was the second leading cause of death (after unintentional injuries) (Table 1). During those years, the annual suicide rate among active duty USAF personnel increased significantly (p<0.01) from 10.0 to 16.4 suicides per 100,000 members (Figure 1). In 1995, senior USAF leaders initiated prevention programs in several commands because of the increasing suicide rate. In May 1996, an in-depth study by a team of medical and nonmedical civilian and military experts was initiated to produce a comprehensive, communitywide prevention strategy that viewed suicide not only as a medical but a USAF problem, thus addressing overall social, behavior, and health issues (1). The plan was implemented across the entire USAF during 1996–1997. This report describes protective and prevention strategies and summarizes the study findings, which indicate that a substantial decline in the suicide rate was associated with the communitywide program.

The team's suicide prevention strategy encompassed nearly all the USAF community (e.g., investigative agencies, military justice, and prevention and treatment services) and focused on reducing suicide by emphasizing early interventions, and strengthening protective factors (e.g., a sense of belonging and caring, effective coping skills, and policies that promote help-seeking behavior). These goals correspond to recommendations made by the United Nations (UN) and World Health Organization (WHO) to governments and local communities in developing suicide prevention strategies (2). The initiatives were divided into three categories corresponding to

TABLE 1. Causes of death among active duty U.S. Air Force personnel — United States, 1990–1994

| Cause | No. | % of all deaths |
|----------------------|------|-----------------|
| Unintentional injury | 636 | 48% |
| Suicide | 300 | 23% |
| Disease | 280 | 21% |
| Homicide | 61 | 5% |
| Other | 37 | 3% |
| Total | 1314 | 100% |

FIGURE 1. Annual number and rate* of suicides among U.S. Air Force personnel — United States, 1980–1999†



*Per 100,000 U.S. Air Force personnel.

¹1999 rate is an estimated projection as of August 31, 1999. Significant negative linear trend in suicide rate from 1994 to 1998 (p<0.002).

areas identified by other prevention programs: adapting CDC recommendations for youth suicide prevention (3) to the USAF adult population, restructuring prevention services offered on USAF installations (4), and establishing a central surveillance database for fatal and nonfatal self-injuries (5).

Adapting CDC Recommendations

The team established USAF requirements for annual suicide prevention and awareness training, which was provided to approximately 80% of USAF members. Supervisors and leaders within each military unit, medical providers, attorneys, and chaplains received concentrated training as "gatekeepers" whose role was to channel persons at risk to appropriate agencies. In 1996, the USAF began to administer a comprehensive health questionnaire, including items about mental health status, when USAF members enrolled in the military health-care plan; an abbreviated version was subsequently administered annually. Questionnaire data were used to determine when referral to a health-care provider was indicated.

The USAF Chiefs of Staff sent servicewide electronic messages, recognizing the courage and sound judgment of persons who confronted difficult issues and sought professional help (e.g., marital, family, legal, financial, mental health, and spiritual counseling). These messages also stated that military leaders must ensure that mem-

bers facing substantial stress receive the care and support of their military unit (i.e., local community), even when the stress stemmed from violating community norms (i.e., Uniform Code of Military Justice [UCMJ]). The team also established policies that required any USAF agency investigating a member to coordinate with unit leaders to ensure that the leaders carried out their gatekeeping role.

Restructuring of Prevention Services

Prevention services on all USAF installations were restructured by establishing a limited psychotherapist-patient privilege to protect members charged under the UCMJ. Mental health providers were mandated to initiate community-based primary prevention, and the USAF integrated the services of the six agencies involved in prevention services (mental health, family support centers, child and youth development, health and wellness centers, chaplains, and family advocacy). The six agencies in each geographic community were required to conduct an assessment of the risk for suicide and to develop a coordinated prevention plan with measurable goals.

Surveillance

Gathering suicide data from the USAF population is facilitated by standardized data systems that track each member. Each active duty member's death is investigated by the USAF Office of Special Investigations, a forensic agency autonomous from the local command authority. Since 1997, USAF suicide data (completions, attempts, and gestures) have been collected in a database that includes demographics, details of the events, use of prevention services before the event, and associated psychological, social, behavior, and economic factors.

From 1994 to 1998, the suicide rate among USAF members decreased significantly, from 16.4 suicides per 100,000 members to 9.4 (p<0.002) (Figure 1). On the basis of the first eight months of 1999, the 1999 estimated rate is 2.2 suicides per 100,000 members—approximately 80% lower than the lowest annual rate since 1980 (Figure 1).*

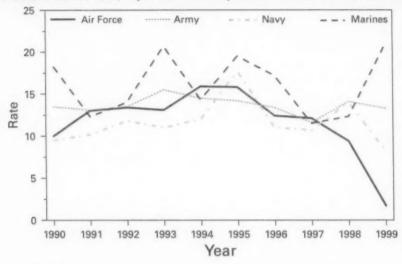
Reported by: DA Litts, K Moe, CH Roadman, R Janke, J Miller, Suicide Integrated Product Team, United States Air Force, Dept of Defense. Div of Violence Prevention, National Center for Injury Prevention and Control, CDC.

Editorial Note: During 1994–1995, suicide prevention became a USAF priority. Initially, the focus of prevention activities occurred within several major commands; however, this approach was succeeded in 1996 by a servicewide program, whose goals correspond to recommendations made by the UN and WHO to governments and local communities in developing suicide prevention strategies (2). These efforts were temporally associated with a substantial decrease in the suicide rates among active USAF personnel. Suicide rates in the other military services do not demonstrate the sustained decline over the same period (U.S. Army, U.S. Navy, and U.S. Marines, unpublished data, 1999) (Figure 2).

The USAF's approach to suicide prevention emphasized the role of the entire community, not only health care, in reducing and preventing factors thought to contribute to suicide. It also included components that promoted protective factors such as social networks. Readiness to address the suicide problem was established quickly because

^{*}The 1999 rate was estimated by dividing the number of deaths by the number of months of data to get a monthly average and then multiplied by 12 to get an approximate numerator for the annual rate.

FIGURE 2. Suicide rates,* by branch of military service — United States, 1990-1999†



*Per 100,000 members of each service.

¹ 1999 data are annualized rates based on suicides through June 1999.

the leaders involved were easily identified and had substantial influence over the community. A program of education and awareness training for all personnel, combined with integrated prevention services in every community, set out to modify the culture of the USAF community, Initiatives are ongoing, established by official policy requiring annual reporting of performance objectives.

Evaluation of the program's effectiveness and its generalizability to other groups is subject to at least two limitations. First, although the decline in the suicide rate among USAF personnel corresponds temporally with the interventions, a causal relation between the decline and the program has not been established conclusively nor have components that might have been responsible for the decline been identified. Second, differences exist in the characteristics of active USAF personnel and the U.S. civilian population. All members of the USAF community have completed secondary school, are employed and housed, and have comprehensive health-care benefits, including unlimited mental health care. Since 1974, members have been screened for mental illness before entry. Use of illicit drugs, a risk factor for suicide, is approximately 90% less frequent than in the civilian population after adjusting for age and sex (6). All members have a commander or a first sergeant whose job is to be interested in each member's health and well being.

This study highlights that suicide is a preventable health problem and demonstrates the importance of using multiple agencies to address the issue. It also indicates that a communitywide, multiple-strategy program can be planned and implemented and can contribute to reducing self-directed violence. The USAF has

assigned a team to monitor the ongoing intervention and surveillance activities and to recommend modifications as needed. The USAF suicide prevention strategy should be tested in other occupation-related communities, such as law enforcement or investigative agencies, to determine whether the programs can be effective in other populations.

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Progress Toward Poliomyelitis Eradication — Eastern Mediterranean Region, 1998–October 1999

In 1988, the Regional Committee for the Eastern Mediterranean Region* (EMR) of the World Health Organization (WHO) adopted a resolution to eliminate poliomyelitis from the region by 2000. This report summarizes progress toward this goal in EMR countries through October 1999; all EMR countries, including war-torn and other underdeveloped areas of the region, are conducting essential polio eradication strategies, and eradication activities to rapidly stop poliovirus transmission are under way in countries where polio is endemic.

Routine Vaccination Coverage

In 1998, regional routine coverage with at least three doses of oral poliovirus vaccine (OPV3) by age 1 year was 82% (range: 24%–100%). All member countries reported routine coverage data, and OPV3 coverage was ≥90% in 16 countries. However, reported OPV3 coverage was 86% in Iraq, 79% in Pakistan, 72% in Sudan, 68% in Yemen, 62% in Djibouti, 35% in Afghanistan, and 24% in Somalia. Countries reporting <90% coverage represent more than half of the regional population. Compared with the reported coverage rates, most of which are determined by using target population estimates, population-based surveys in Afghanistan, Iraq, and Pakistan have found lower coverage rates.

^{*}Member countries are Djibouti, Egypt, Libya, Morocco, Somalia, Sudan, and Tunisia in northern and eastern Africa; Bahrain, Kuwait, Oman, Qatar, Saudi Arabia, United Arab Emirates, and Yemen in the Arab Gulf states; Iraq, Jordan, Lebanon, Syria, and the Palestinian National Authority in the Middle East; Afghanistan, Iran, and Pakistan in Asia; and Cyprus.

Supplementary Vaccination Activities

During 1998 and 1999, National Immunization Days (NIDs)† were conducted in 19 countries. In 1998, Somalia and Sudan conducted the first countrywide campaigns that covered the war-affected southern parts of each country (1). Kuwait did not conduct NIDs in 1998 but will conduct one round in November 1999. Iran and Tunisia conducted targeted Subnational Immunization Days (SNIDs)§ in provinces at risk for poliovirus importation and/or with suboptimal vaccination coverage. NIDs have not been necessary in Cyprus because routine coverage is high. Poliovirus circulation has persisted or is suspected in seven EMR countries (Afghanistan, Egypt, Iraq, Pakistan, Somalia, Sudan, and Yemen) because of low routine OPV3 coverage and/or pockets of unvaccinated children not reached during NIDs. Accelerated vaccination activities, which include improving the quality of all campaigns, adding rounds of NIDs or SNIDs, and intensifying house-to-house vaccination in high-risk areas, have been initiated in these countries (Figure 1). For example, in early 1999, >11 million children were vaccinated during two rounds of a house-to-house vaccination campaign in three provinces of Pakistan, and Afghanistan and Irag are conducting two pairs of NIDs in 1999.

Within EMR, campaigns are coordinated among groups of contiguous countries, including Afghanistan, Iran, and Pakistan; Iran, Iraq, and Syria (and Turkey) (2); between member states of the Gulf Cooperation Council[§]; and between Maghrebian Union countries, including Libya, Morocco, and Tunisia. NIDs in several countries have been coordinated with countries in the European region ("Operation MECACAR") and the African region in the Horn of Africa. NIDs in Pakistan have been synchronized with campaigns in southern Asia (3,4).

Surveillance

By mid-1998, all member countries (except Djibouti) had established acute flaccid paralysis (AFP) surveillance. Fifteen countries (Bahrain, Cyprus, Egypt, Iran, Iraq, Jordan, Kuwait, Lebanon, Libya, Oman, Palestine, Qatar, Saudi Arabia, Syria, and Tunisia) had achieved or exceeded the WHO-established minimum AFP reporting rate indicative of a sensitive surveillance system (one or more nonpolio AFP case per 100,000 children aged <15 years) during 1998 (Table 1). Among the eight remaining countries, the annualized nonpolio AFP reporting rates during 1999 have exceeded one case per 100,000 in Afghanistan, Pakistan, United Arab Emirates, and Yemen. The regional average reporting rates for nonpolio AFP in 1998 and 1999 were 0.88 and 1.21, respectively. During 1998 and 1999, two adequate** stool samples were collected from 64% and 68%, respectively, of the persons with reported AFP in EMR. During 1998 and 1999, seven countries (Cyprus, Kuwait, Oman, Palestine, Saudi Arabia,

[†]Mass campaigns over a short period (days to weeks) in which two doses of OPV are administered to all children in the target age group (usually aged <5 years) regardless of previous vaccination history, with an interval of 4–6 weeks between doses.

[§]Focal mass campaigns in high-risk areas over a short period (days to weeks) in which two doses of OPV are administered to all children in the target age group, regardless of previous vaccination history, with an interval of 4–6 weeks between doses.

Bahrain, Kuwait, Oman, Qatar, Saudi Arabia, and United Arab Emirates.

^{**}Two stool specimens collected at least 24 hours apart within 14 days of onset of paralysis.

FIGURE 1. Schedule of National Immunization Days (NIDs)* and "mopping-up" vaccination campaigns† planned, by country — seven priority countries, Eastern Mediterranean Region, June 1999-May 2002

Poliomyelitis Eradication — Continued

| | Country | Afghanistan | Egypt | Iraq | Pakistan | Somalia | Sudan | Yemen | NIDs |
|-----------|---------------------------------|-------------|-------|------|----------|---------|-------|-------|----------------------|
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| | 7 | | | | | | | | Mopping-Up Campaigns |
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| | | | | | | | | | |

* Mass campaigns over a short period (days to weeks) in which two doses of oral poliovirus vaccine are administered to all children in the target age group (usually aged <5 years) regardless of previous vaccination history, with an interval of 4-6 weeks between doses.

Includes house-brouse vaccination in border areas and for other high-risk population groups.

TABLE 1. Number of reported cases of acute flaccid paralysis (AFP) and confirmed poliomyelitis* and key surveillance indicators, by country — Eastern Mediterranean Region, 1998–October 1999

| | | 19 | 98 | | | 19 | 99 | |
|--------------|---------------|---------------------------|-----------------------------------|--|---------|---------------------------|-----------------------------------|---|
| Country | No. AFP cases | No. confirmed cases | Nonpolio AFP rate [†] | % persons with AFP with two stool specimens ⁵ | No. AFP | No. confirmed cases | Nonpolio AFP rate [§] | % persons with AFP with two stool specimens |
| Afghanistan | 121 | 59 | 0.66 | 50 | 169 | 75 | 1.29 | 55 |
| Bahrain | 4 | 0 | 2.00 | 50 | 3 | 0 | 2.37 | 100 |
| Cyprus | 5 | 0 | 3.10 | 100 | 1 | 0 | 0.80 | 100 |
| Djibouti | 0 | 0 | 0.00 | | 0 | 0 | 0.00 | |
| Egypt | 295 | 35 | 1.21 | 82 | 229 | 7 | 1.32 | 76 |
| Iran | 348 | 4 | 1.43 | 76 | 196 | 3 | 1.08 | 72 |
| Iraq | 155 | 37 | 1.19 | 72 | 160 | 38 | 1.59 | 78 |
| Jordan | 33 | 0 | 1.80 | 76 | 21 | 0 | 1.45 | 81 |
| Kuwait | 6 | 0 | 1.15 | 83 | 4 | 0 | 1.00 | 100 |
| Lebanon | 11 | 0 | 1.26 | 0 | 12 | 0 | 1.86 | 8 |
| Libya | 18 | 0 | 1.00 | 50 | 19 | 0 | 1.38 | 63 |
| Morocco | 81 | 0 | 0.85 | 33 | 54 | 0 | 0.74 | 46 |
| Oman | 8 | 0 | 1.00 | 88 | 16 | 0 | 2.45 | 88 |
| Pakistan | 751 | 339 | 0.64 | 60 | 813 | 270 | 1.19 | 72 |
| Palestine | 14 | 0 | 1.21 | 100 | 6 | 0 | 0.64 | 83 |
| Qatar | 2 | 0 | 2.18 | 0 | 2 | 0 | 1.80 | |
| Saudi Arabia | 84 | 1 | 1.08 | 88 | 66 | 0 | 1.11 | 79 |
| Somalia | 32 | 12 | 0.69 | 28 | 32 | 11 | 0.93 | 31 |
| Sudan | 88 | 50 | 0.31 | 33 | 80 | 31 | 0.47 | 34 |
| Syria | 85 | 0 | 1.32 | 98 | 63 | 0 | 1.16 | 84 |
| Tunisia | 37 | 0 | 1.19 | 81 | 32 | 0 | 1.33 | 94 |
| United Arab | | | | | | | | |
| Emirates | 4 | 0 | 0.60 | 0 | 5 | 0 | 1.01 | 40 |
| Yemen | 27 | 16 | 0.13 | 33 | 90 | 11 | 1.19 | 58 |
| Total | 2209 | 553 | 0.88 | 64 | 2073 | 446 | 1.21 | 68 |

*A confirmed case of polio is defined as AFP and at least one of the following: 1) laboratory-confirmed wild poliovirus infection, 2) inadequate stool specimens and residual paralysis at 60 days, 3) death, or 4) no follow-up investigation at 60 days.

Number of AFP cases per 100,000 population aged <15 years. Minimum expected rate is one case of nonpolio AFP per 100,000 per year.

Two stool specimens collected at least 24 hours apart within 14 days of paralysis onset from ≥80% of AFP cases.

Annualized nonpolio AFP rate.

Syria, and Tunisia) achieved the WHO-recommended target of two adequate stool specimens collected from at least 80% of persons with AFP. An additional five countries (Bahrain, Egypt, Iran, Iraq, and Jordan) collected stool specimens from 71% to 79% of persons with AFP reported during the same period, and six countries (Lebanon, Morocco, Qatar, Somalia, Sudan, and United Arab Emirates) collected adequate specimens from <50% of persons with AFP. Despite high national AFP surveillance performance indicators during 1997 and 1998 in Egypt and Iraq, circulation of wild poliovirus type 3 in Egypt and type 1 in Iraq continued undetected for >2 years.

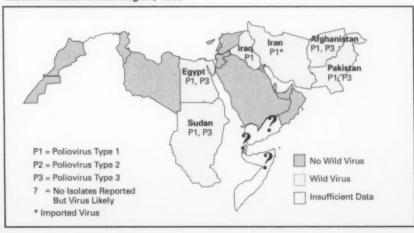
EMR Laboratory Network

The EMR laboratory network comprises 12 laboratories (eight national and four regional reference laboratories). During 1998, all network laboratories except those in Iraq and Sudan were accredited by WHO. On the basis of their improved performance, the laboratories in Iraq and Sudan received provisional accreditation in 1999. As of October 1999, 3445 stool specimens from 1800 (99%) of 1824 persons with AFP reported from 22 EMR countries underwent laboratory investigation in a WHO network laboratory. Laboratory results were reported on time (within 28 days of receipt of specimen) for 80% of stool specimens. The regional average nonpolio enterovirus isolation rate (an indicator of the adequacy of laboratory technique and specimen handling) was 9%; 93% of the specimens were received in the laboratory in good condition. Genetic sequence analyses are performed routinely on all wild poliovirus isolates in the region. The information has provided evidence of progress toward eradication through identifying virus reservoirs, establishing virus transmission links and cross-border importations, and detecting laboratory contamination (5).

Incidence of Polio

From 1988 through October 1999, the number of confirmed polio cases reported in the EMR decreased 81%, from 2342 to 446. Of 23 EMR countries, 15 reported zero cases during 1999. Since 1996, five countries (Afghanistan, Egypt, Iraq, Pakistan, and Sudan) have reported cases with indigenous strains of wild poliovirus. The last virologically confirmed case of polio in Egypt had onset in March 1999. Wild poliovirus has not been isolated in Somalia through a functioning surveillance system in the north or from AFP cases reported in Yemen during 1998 and 1999. During 1998 and 1999, Pakistan continued to report the largest number of cases and contributed nearly 60% of the total number of cases in the region. Wild poliovirus type 2 has not been isolated in EMR since 1997 (Figure 2).

FIGURE 2. Isolation of poliovirus serotypes from acute flaccid paralysis cases — Eastern Mediterranean Region, 1999



Countries with high-quality AFP surveillance that have been polio-free for several years have begun to prepare documentation for review by the Regional Commission for Certification of Polio Eradication. In late 1999, the commission will review documentation from five EMR countries and from an additional 10 countries before the end of 2000.

Reported by: Regional Office for the Eastern Mediterranean Region, Alexandria, Egypt. Vaccine and Biologicals Dept, World Health Organization, Geneva, Switzerland. Respiratory and Enteric Viruses Br, Div of Viral and Rickettsial Diseases, National Center for Infectious Diseases; Vaccine Preventable Disease Eradication Div, National Immunization Program, CDC.

Editorial Note: Member countries of EMR have made remarkable progress toward polio eradication since 1988. Most EMR countries are now polio-free in the presence of high-quality AFP surveillance, and the intensity of virus transmission is decreasing rapidly in countries where polio is endemic. Supplementary vaccination campaigns and AFP surveillance have been implemented in all EMR countries, including areas in conflict, in Afghanistan, Somalia, and Sudan (1,6). Progress made in those countries faced with armed conflict, political instability or economic sanctions, poor health infrastructure, and population displacement is encouraging.

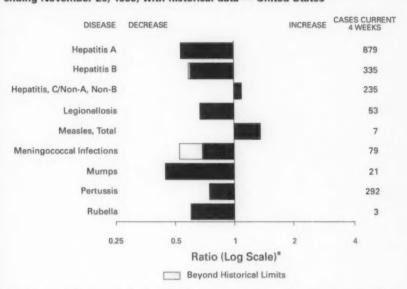
EMR countries have gained sufficient experience in the most challenging circumstances to implement effectively accelerated polio eradication activities. Accelerated activities to stop virus transmission by the end of 2000 have begun in seven countries of EMR where polio is known or suspected to be endemic. Efforts to improve the quality of vaccination campaigns include advanced preparations, better local level planning, extensive supervision, house-to-house vaccination, community mobilization, and heightened political commitment. Additional NIDs, SNIDs, or "mopping-up" will be conducted during the next 18–24 months in these countries. AFP surveillance is being strengthened through regular active surveillance in major health facilities, designation and training of responsible staff, and strong central coordination, supervision, monitoring, and evaluation.

Rapid reduction in virus transmission during summer 1999 in Egypt and parts of Pakistan where additional intensified campaigns were conducted in spring 1999 has provided strong preliminary evidence of the impact of these accelerated vaccination activities. During 1999, training of designated staff followed by implementation of regular active surveillance at lower administrative levels in selected districts and governorates of Pakistan and Yemen, have led to rapid improvements in surveillance performance in these countries. Undetected circulation of wild poliovirus type 3 in Egypt for >2 years highlight the importance of high quality surveillance at subnational levels. Undetected circulation of wild poliovirus type 1 in Iraq indicates the need for ensuring that all components of an AFP surveillance system, particularly stool specimen collection, storage, transport, and testing in a WHO-accredited laboratory, are functioning adequately. A greater emphasis has been placed on improving surveillance performance at subnational levels in these two countries.

Successfully implementing accelerated activities will require strong and more effective political commitment from the highest level within the countries^{††}. Further consolidation is needed among WHO, United Nations Children's Fund, other United Nations agencies, and nongovernmental organizations (NGOs), particularly in areas of

^{†1}EMR polio eradication efforts are supported by its member countries, WHO, United Nations Children's Fund (UNICEF), Rotary International, CDC, the United Kingdom, Japan, Canada, Denmark, Norway, and Italy.

FIGURE I. Selected notifiable disease reports, comparison of provisional 4-week totals ending November 20, 1999, with historical data — United States



^{*}Ratio of current 4-week total to mean of 15 4-week totals (from previous, comparable, and subsequent 4-week periods for the past 5 years). The point where the hatched area begins is based on the mean and two standard deviations of these 4-week totals.

TABLE I. Summary — provisional cases of selected notifiable diseases, United States, cumulative, week ending November 20, 1999 (46th Week)

| | | Cum. 1995 | | Cum. 1999 |
|---------------|--------------------------------|-----------|---|------------------|
| Anthrax | | | HIV infection, pediatric*5 | 121 |
| Brucellosis* | | 45 | Plaque | 8 |
| Cholera | | 3 | Poliomyelitis, paralytic | |
| Congenital ru | bella syndrome | 6 | Psittacosis* | 15 |
| Cyclosporiasi | | 6 49 | Rabies, human | |
| Diphtheria | | 2 | Rocky Mountain spotted fever (RMSF) | 476 |
| Encephalitis: | California* | 54 | Streptococcal disease, invasive Group A | 1,838 |
| | eastern equine* | 6 | Streptococcal toxic-shock syndrome* | 30 |
| | St. Louis® | 6 | Syphilis, congenital [¶] | 204 |
| | western equine* | 1 | Tetanus | 30 |
| Ehrlichiosis | human granulocytic (HGE)* | 133 | Toxic-shock syndrome | 204 30 101 |
| | human monocytic (HME)* | 37 | Trichinosis | 8 |
| Hansen Disea | ise* | 90 | Typhoid fever | 276 |
| Hantavirus pu | Ilmonary syndrome*1 | 18 | Yellow fever | 1 |
| | amic syndrome, post-diarrheal* | 93 | | |

no reported cases

⁻no reported cases "Not notifiable in all states." Updated weekly from reports to the Division of Viral and Rickettsial Diseases, National Center for Infectious Diseases (NCID). "Updated wonthly from reports to the Division of HIV/AIDS Prevention-Surveillance and Epidemiology, National Center for HIV, STD, and TB Prevention (NCHSTP), last update October 24, 1999. "Updated from reports to the Division of STD Prevention, NCHSTP.

TABLE II. Provisional cases of selected notifiable diseases, United States, weeks ending November 20, 1999, and November 21, 1998 (46th Week)

| | | | | | | | Escherichia anii O157:H7° | | | | | |
|------------------------------|----------------------------|--------------|-----------------|------------------|--------------|--------------|------------------------------|--------------|--------------|-------------|--|--|
| | Al | DS | Chia | mydia | Cryptosp | oridiosis | NE | TSS | | ŒIS. | | |
| Reporting Area | Curn. 1999 [†] | Cum. 1998 | Cum. 1999 | Cum. 1998 | Cum. 1999 | Cum. 1998 | Cum. 1999 | Cum. 1998 | Cum. 1999 | Cum 1968 | | |
| UNITED STATES | 37,420 | 40,205 | 517,388 | 524,226 | 2,138 | 3,434 | 3,052 | 2,687 | 2,098 | 2,046 | | |
| NEW ENGLAND | 1,904 | 1,602 | 17,713 | 17,832 | 134 | 143 | 293 | 306 | 323 | 260 | | |
| Maine | 68 | 26 | 904 | 950 | 27 | 29 | 36 | 35 | 563 | 200 | | |
| N.H. | 38 | 25 | 845 | 864 | 17 | 15 | 31 | 43 | 31 | 44 | | |
| Vt. Mass. | 15 1,231 | 18 843 | 417 | 375 | 35 | 26 | 32 | 19 | 20 | 17 | | |
| R.I. | 90 | 118 | 8,166 2,075 | 7,417 | 49 | 66 | 166 | 139 | 175 | 148 | | |
| Conn. | 462 | 572 | 5,306 | 6,205 | 0 | , | 28 U | 12 58 | 26 71 | 50 | | |
| MID. ATLANTIC | 9,663 | 10,597 | 53,094 | 54,848 | 396 | 529 | 286 | 277 | 78 | | | |
| Upstate N.Y. | 1,146 | 1,311 | N | N | 157 | 314 | 226 | 199 | 10 | 84 | | |
| N.Y. City | 5,100 | 5,853 | 21,963 | 23,302 | 116 | 191 | 10 | 12 | 17 | 12 | | |
| N.J. | 1,741 | 1,930 | 9,152 | 10,499 | 36 | 24 | 50 | 66 | 32 | 51 | | |
| Pa. | 1,676 | 1,503 | 21,979 | 21,047 | 87 | N | N | N | 29 | 21 | | |
| E.N. CENTRAL | 2,519 | 2,806 | 71,473 | 88,033 | 536 | 689 | 654 | 415 | 454 | 344 | | |
| Ohio | 403 | 568 | 21,000 | 24,027 | 60 | 70 | 228 | 111 | 181 | 69 | | |
| ind, | 285 | 447 | 9,913 | 9,864 | 38 | 52 | 99 | 93 | 59 | 49 | | |
| Mich. | 1,201 | 1,038 | 22,015 | 23,799 | 67 | 81 | 216 | 108 | 81 | 76 | | |
| Nis. | 126 | 577 176 | 18,545 U | 17,936 12,407 | 45 326 | 37 449 | 111 N | 103 N | 73 | 64 | | |
| W.N. CENTRAL | 846 | | - | | | | | 1,35 | 60 | 86 | | |
| Minn. | 161 | 769 147 | 31,605 6,045 | 31,228 | 200 | 313 | 573 | 450 | 386 | 384 | | |
| owa | 72 | 62 | 4,214 | 6,282 4,058 | 77 54 | 130 | 223 112 | 188 | 168 73 | 201 | | |
| Mo. | 408 | 365 | 12.030 | 11.048 | 29 | 25 | 60 | 47 | 58 | 58 61 | | |
| N. Dak. | 6 | 5 | 707 | 935 | 18 | 30 | 16 | 11 | 14 | 15 | | |
| S. Dak. | 13 | 15 | 1,338 | 1,381 | 7 | 24 | 44 | 32 | 59 | 36 | | |
| Nebr. | 61 | 60 | 3,045 | 2,596 | 14 | 35 | 97 | 48 | - | | | |
| Cans. | 125 | 115 | 4,226 | 4,928 | 1 | 6 | 21 | 33 | 14 | 13 | | |
| S. ATLANTIC | 10,275 | 10,643 | 112,358 | 101,355 | 345 | 323 | 312 | 234 | 155 | 165 | | |
| Det. | 147 | 122 | 2,400 | 2,291 | - | 3 | 6 | - | 3 | 2 | | |
| Md. D.C. | 1,242 | 1,479 | 10,333 | 6,560 | 18 | 18 | 41 | 40 | 4 | 14 | | |
| Va. | 496 689 | 750 882 | 12.624 | 12.023 | 8 | 25 | 1 | 1 | U | U | | |
| W. Va. | 61 | 70 | 1,204 | 2,160 | 26 | 20 | 69 | N | 55 | 51 | | |
| N.C. | 688 | 753 | 19,221 | 19,847 | 23 | N | 66 | 12 54 | 8 51 | 10 | | |
| S.C. | 847 | 684 | 10,513 | 14,761 | - | | 20 | 15 | 14 | 47 12 | | |
| Ga. | 1,466 | 1,063 | 29,738 | 21,598 | 123 | 115 | 32 | 73 | 14 | 12 | | |
| Fla. | 4,639 | 4,840 | 26,325 | 22,115 | 144 | 140 | 66 | 39 | 20 | 29 | | |
| E.S. CENTRAL | 1,666 | 1,680 | 39,822 | 36,270 | 27 | 24 | 117 | 114 | 58 | 64 | | |
| Ky. | 236 | 262 | 6,633 | 5,705 | 6 | 10 | 46 | 34 | 4 | * | | |
| Tenn. Ala. | 643 | 620 | 12,221 | 12,097 | 6 | 8 | 43 | 51 | 38 | 40 | | |
| Miss. | 423 364 | 455 343 | 11,157 9,811 | 9,060 | 11 | N | 23 | 23 | 16 | 20 | | |
| W.S. CENTRAL | | | | | | 6 | 5 | 6 | 4 | 4 | | |
| Ark, | 3,822 158 | 5,088 189 | 72,032 5,307 | 79,738 3,536 | 82 | 899 | 125 | 97 | 118 | 99 | | |
| La. | 742 | 835 | 11,220 | 13,470 | 2 22 | 6 15 | 15 | 11 | 8 | 10 | | |
| Okla. | 113 | 274 | 7,269 | 8,518 | 10 | N | 28 | 23 | 14 | 7 | | |
| Tex. | 2,809 | 3,790 | 48,236 | 54,214 | 48 | 878 | 73 | 58 | 72 | 74 | | |
| MOUNTAIN | 1.469 | 1,411 | 27.329 | 29.196 | 90 | 120 | 306 | 351 | 195 | 243 | | |
| Mont. | 11 | 28 | 1,393 | 1,204 | 10 | 10 | 24 | 15 | 195 | 5 | | |
| ldaho | 21 | 28 | 1,517 | 1,809 | 8 | 17 | 63 | 38 | 20 | 25 | | |
| Wyo. | 10 | 3 | 670 | 625 | 1 | 2 | 15 | 53 | 14 | 55 | | |
| Colo. N. Mex. | 271 | 286 | 5,180 | 7,026 | 12 | 18 | 108 | 85 | 87 | 67 | | |
| N. Mex. Ariz, | 78 745 | 188 550 | 3,308 10,769 | 3,280 | 39 | 46 | 12 | 19 | 5 | 20 | | |
| Utah | 129 | 114 | 1,910 | 10,325 1,927 | 12 N | 18 N | 30 | 43 | 20 | 26 | | |
| Nev. | 204 | 214 | 2,582 | 3,000 | 8 | 9 | 16 | 74 24 | 47 | 21 | | |
| PACIFIC | 5,256 | 5.609 | 91,962 | | | | | | | | | |
| Wash. | 305 | 369 | 10,702 | 85,726 9,740 | 328 N | 394 N | 386 | 443 | 331 | 403 | | |
| Oreg. | 185 | 146 | 5,204 | 5,034 | 88 | 65 | 147 73 | 102 102 | 158 | 127 | | |
| Calif. | 4,673 | 4,918 | 71,906 | 67,000 | 240 | 326 | 155 | 232 | 68 94 | 98 162 | | |
| Alaska | 13 | 17 | 1,611 | 1,670 | | - | 1 | 7 | 1 | 102 | | |
| Hawaii | 80 | 159 | 2,539 | 2,282 | | 3 | 10 | | 10 | 16 | | |
| Guam | 5 | 1 | 302 | 377 | | | N | N | U | U | | |
| P.R. | 1,094 | 1,585 | U | U | - | N | 5 | 5 | Ü | U | | |
| V.I. | 36 | 31 | Ü | U | U | U | U | U | U | ŭ | | |
| Amer. Sames C.N.M.I. | | | U | U | U | U | U | U | U | U | | |
| COLUMN TWO IS NOT THE OWNER. | | | U | U | U | U | U | U | U | U | | |

N: Not notifiable U: Unavailable -: no reported cases C.N.M.L. Commonwealth of Northern Mariana Islands

^{**} Individual cases may be reported through both the National Electronic Telecommunications System for Surveillance (NETSS) and the Public Health Laboratory Information System (PHLIS).

**Updated monthly from reports to the Division of HIV/AIDS Prevention—Surveillance and Epidemiology, National Center for HIV, STD, and TB Prevention, last update October 24, 1999.

TABLE II. (Cont'd.) Provisional cases of selected notifiable diseases, United States, weeks ending November 20, 1999, and November 21, 1998 (46th Week)

| | Gono | | Heps C/NA | ,NB | Legion | ellosis | Lyn Dise | 250 |
|----------------------------|-----------------|-----------------|----------------|--------------|--------------|--------------|--------------|--------------|
| Reporting Area | Cum. 1999 | Cum. 1998 | Cum. 1999 | Cum. 1998 | Cum. 1999 | Cum. 1998 | Cum. 1999 | Cum. 1998 |
| INITED STATES | 284,215 | 312,812 | 2,911 | 2,981 | 810 | 1,168 | 11,395 | 14,560 |
| IEW ENGLAND | 5,397 | 5,333 | 12 | 57 | 73 | 79 | 3,124 | 4,427 |
| faine I.H. | 71 94 | 61 82 | 2 | | 3 8 | 7 | 41 21 | 76 42 |
| i.ri. | 42 | 34 | 6 | 5 | 14 | 7 | 23 | 11 |
| Aass. | 2,259 | 2,005 | 1 | 49 | 28 | 32 | 890 | 678 |
| i.l. | 522 2,409 | 359 2,792 | 3 | 3 | 9 | 19 13 | 464 1,685 | 598 3,022 |
| MID. ATLANTIC | 34,035 | 34.089 | 118 | 197 | 175 | 296 | 6.578 | 8.085 |
| Ipstate N.Y. | 6,031 | 6,480 | 83 | 100 | 57 | 104 | 3,512 | 3,767 |
| I.Y. City I.J. | 11,762 5,508 | 10,511 7,107 | | û | 9 | 34 15 | 32 922 | 225 1,761 |
| a. | 10,734 | 9,991 | 35 | 97 | 91 | 143 | 2,112 | 2,332 |
| .N. CENTRAL | 47,774 | 60,874 | 1,379 | 619 | 220 | 385 | 118 | 739 |
| Ohio | 12,752 | 15,731 | 3 | 8 | 65 38 | 121 | 70 | 44 36 |
| nd. | 5,386 16,618 | 5,820 19,732 | 41 | 5 38 | 22 | 70 50 | 19 12 | 14 |
| Mich. | 13,018 | 13,945 | 743 | 430 | 59 | 79 | 1 | 12 |
| Vis. | U | 5,646 | 591 | 138 | 36 | 65 | 16 | 633 |
| V.N. CENTRAL | 13,657 2,332 | 15,585 2,415 | 286 | 39 10 | 43 | 60 | 246 179 | 203 152 |
| owa | 1,053 | 1,362 | | 8 | 11 | 9 | 19 | 26 |
| Mo. | 6,930 | 8,115 | 264 | 13 | 14 | 16 | 25 | 11 |
| N. Dak. S. Dak. | 71 160 | 75 203 | 1 | | 3 | 3 | 1 | |
| Vebr. Cans. | 1,285 1,826 | 1,099 2,316 | 5 | 5 3 | 4 | 18 | 10 12 | 3 11 |
| S. ATLANTIC | 84,640 | 84,121 | 188 | 104 | 127 | 133 | 1.047 | 826 |
| Del. | 1,476 | 1,350 | 1 | | 13 | 12 | 51 | 65 |
| Md. D.C. | 8,853 3,166 | 8,561 3,829 | 39 | 18 | 29 | 34 | 743 | 583 |
| Va. | 8,527 | 8,335 | 10 | 11 | 30 | 19 | 112 | 65 |
| W. Va. | 363 | 784 | 17 | 6 | N | N | 16 | 12 |
| N.C. S.C. | 17,041 6,181 | 17,088 9,335 | 34 22 | 21 | 14 11 | 14 | 67 | 54 |
| Ga. | 20,377 | 17,806 | 1 | 9 | 1 | 8 | | 5 |
| Fla. | 18,656 | 17,033 | 63 | 30 | 26 | 29 | 47 | 31 |
| E.S. CENTRAL Ky. | 31,788 | 35,050 3,315 | 226 | 260 | 37 19 | 60 26 | 71 9 | 101 |
| Tenn. | 9,901 | 10,583 | 79 | 153 | 14 | 21 | 30 | 41 |
| Ala. Miss. | 9,925 8,957 | 11,591 9,561 | 1 125 | 83 | 4 | 6 7 | 19 13 | 21 |
| W.S. CENTRAL | 40,315 | 49,144 | 313 | 506 | 23 | 30 | 43 | 21 |
| Ark. | 2,824 | 3,525 | 18 | 21 | | 1 | 4 | 6 |
| La. Okla. | 8,880 3,585 | 11,564 4,718 | 102 14 | 101 | 2 3 | 12 | 4 | 4 2 |
| Tex. | 25,026 | 29,337 | 179 | 370 | 18 | 13 | 35 | 9 |
| MOUNTAIN | 8,141 | 8,117 | 132 | 355 | 42 | 67 | 18 | 17 |
| Mont. Idaho | 48 77 | 43 152 | 5 7 | 7 86 | 2 | 2 2 | 5 | 5 |
| Wyo. | 28 | 29 | 37 | 89 | 1.5 | 1 | 3 | 1 |
| Colo. N. Mex. | 2,159 664 | 1,854 795 | 21 | 31 91 | 11 | 16 | î | 4 |
| Ariz. | 3,888 | 3,749 | 40 | 11 | 6 | 17 | 2 | 1 |
| Utah Nev. | 1,077 | 204 1,291 | 6 8 | 21 19 | 16 6 | 21 | 5 2 | |
| PACIFIC | 18,468 | 20,499 | 257 | 844 | 70 | 58 | 150 | 141 |
| Wash. | 1,874 | 1,742 | 18 | 22 | 13 | 12 | 10 | 7 |
| Oreg. Calif. | 759 15,210 | 732 17,288 | 17 222 | 18 750 | N 56 | N 44 | 12 128 | 113 |
| Alaska | 260 | 280 | | | 1 | 1 | - | |
| Hawaii | 365 | 457 | | 54 | * | 1 | N | |
| Guam P.R. | 39 297 | 63 340 | 1 | 1 | * | 2 | N | |
| V.I. | U | U | U | U | U | U | U | l. |
| Amer, Samoa | U | U | U | U | U | U | U | (|
| C.N.M.I. N: Not notifiable | U: Unava | U | o reported cas | U | Ŭ | ŭ | ŭ | |

TABLE II. (Cont'd.) Provisional cases of selected notifiable diseases, United States, weeks ending November 20, 1999, and November 21, 1998 (46th Week)

| | | | | | | Salmon | | |
|--|---|--|--|---|---|--|--|--|
| | Ma | laria | Rabies, | Animal | NE | TSS | PH | LIS |
| Reporting Area | Cum. 1999 | Cum. 1998 | Cum. 1999 | Cum. 1998 | Cum. 1999 | Cum. 1998 | Cum. 1999 | Cum. 1998 |
| JNITED STATES | 1,170 | 1,322 | 5,364 | 6,621 | 33,317 | 37,950 | 25,669 | 30,850 |
| NEW ENGLAND Maine N.H. Vt. Mass. R.I. Conn. | 59 3 2 4 22 4 24 | 64 5 5 1 25 10 18 | 803 160 50 86 194 89 224 | 1,324 215 74 61 468 88 418 | 1,504 124 124 87 1,047 122 U | 2,298 153 174 129 1,211 132 499 | 1,867 95 131 76 1,025 147 393 | 2,112 61 208 103 1,245 34 461 |
| MID. ATLANTIC Upstate N.Y. N.Y. City N.J. Pa. | 280 68 126 48 38 | 386 85 217 53 31 | 1,033 743 U 160 130 | 1,449 1,007 U 202 240 | 4,080 1,224 1,219 665 972 | 6,035 1,476 1,743 1,338 1,478 | 3,545 1,127 927 535 956 | 5,367 1,271 1,369 1,260 1,467 |
| E.N. CENTRAL Ohio Ind. III. Mich. Wis. | 135 18 18 54 37 8 | 139 15 10 56 46 12 | 143 34 13 10 83 3 | 120 55 11 N 35 | 4,808 1,189 479 1,485 858 797 | 5,708 1,395 597 1,745 1,054 917 | 3,102 953 376 399 856 518 | 4,383 1,042 481 1,416 975 469 |
| W.N. CENTRAL Minn. Iowa Mo. N. Dak. S. Dak. Nebr. Kans. | 72 41 13 14 | 86 52 7 14 2 | 645 101 147 14 130 163 3 87 | 652 107 139 38 129 149 7 83 | 2,026 574 242 678 43 89 181 219 | 2,102 522 344 566 59 108 170 333 | 2,080 625 197 817 49 108 78 206 | 2,144 611 269 775 67 118 44 260 |
| S. ATLANTIC Del. Md. D.C. Va. W. Va. N.C. S.C. Ga. Fia. | 313 1 86 17 67 2 26 17 22 75 | 283 3 83 18 52 2 27 6 35 | 1,912 37 367 523 99 376 132 204 | 2,168 47 417 515 70 523 136 274 186 | 7,950 129 807 67 1,161 147 1,186 639 1,376 2,438 | 7,786 72 845 73 1,012 143 1,154 586 1,528 2,373 | 4,791 144 891 U 905 142 1,211 454 651 393 | 5,615 110 823 U 802 147 1,310 500 1,398 525 |
| E.S. CENTRAL Ky. Tenn. Ala. Miss. | 21 7 6 7 | 32 7 16 6 3 | 238 35 82 120 | 253 30 129 92 2 | 1,719 374 317 544 484 | 2,119 333 544 635 607 | 938 - 487 374 - 77 | 1,450 124 643 533 150 |
| W.S. CENTRAL Ark. La. Okla. Tex. | 16 3 10 2 1 | 34 1 14 3 16 | 89 14 75 | 28 28 N | 3,549 597 334 386 2,232 | 4,341 567 653 445 2,676 | 2,880 120 472 291 1,997 | 2,939 340 741 211 1,647 |
| MOUNTAIN Mont. Idaho Wyo. Colo. N. Mex. Ariz. Utah Nev. | 41 4 3 1 16 2 8 4 3 | 60 1 8 - 18 12 8 1 1 | 178 55 42 1 9 58 8 | 242 51 N 63 42 6 48 26 | 2,767 70 112 65 649 354 858 486 173 | 2,297 74 113 59 492 272 742 326 219 | 2,254 1 81 49 657 217 709 487 53 | 1,839 43 90 55 463 240 623 122 203 |
| PACIFIC Wash. Oreg. Calif. Alaska Hawaii | 233 25 19 177 1 | 238 17 15 199 2 5 | 323 2 314 7 | 385 7 355 23 | 4,914 593 389 3,572 51 309 | 5,264 462 278 4,211 53 260 | 4,212 777 455 2,707 15 258 | 5,001 614 301 3,778 32 276 |
| Guam P.R. V.I. Amer. Samoa C.N.M.I. | | 2 | 64 U U | 47 U U U | 24 255 U U | 36 725 U U | 00000 | 0 |

N: Not notifiable U: Unavailable

^{-:} no reported cases

^{*}Individual cases may be reported through both the National Electronic Telecommunications System for Surveillance (NETSS) and the Public Health Laboratory Information System (PHLIS).

TABLE II. (Cont'd.) Provisional cases of selected notifiable diseases, United States, weeks ending November 20, 1999, and November 21, 1998 (46th Week)

| | | Shigell | | | Syph | | Tuberculosis | | | |
|----------------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------------------|---------------------------|--|--|
| | NET | | PHI | | (Primary & S | | | | | |
| Reporting Area | Cum. 1999 | Cum. 1998 | Cum. 1999 | Cum. 1998 | Cum. 1999 | Cum. 1998 | Cum. 1999 ¹ | Cum. 1998 [†] | | |
| NITED STATES | 14,049 | 19,564 | 6,500 | 11,104 | 5,782 | 6,358 | 12,183 | 14,937 | | |
| EW ENGLAND | 714 | 388 | 710 | 340 | 51 | 69 | 367 | 390 | | |
| Maine I.H. | 5 16 | 12 16 | 14 | 19 | 1 | 1 2 | 16 10 | 11 | | |
| t. | 6 | 6 | 4 | 2 | 3 | 4 | 2 | 4 | | |
| Aass. | 664 | 253 | 621 | 244 | 32 | 40 | 209 | 223 | | |
| l.l. Conn. | 23 U | 34 67 | 18 53 | 13 62 | 13 | 21 | 39 91 | 103 | | |
| AID. ATLANTIC | 839 | 2,188 | 415 | 1,611 | 222 | 287 | 2.262 | 2,706 | | |
| Jpstate N.Y. | 254 | 570 | 62 | 201 | 25 | 35 | 280 | 338 | | |
| V.Y. City | 258 195 | 663 619 | 82 121 | 568 593 | 79 48 | 72 91 | 1,220 451 | 1,280 546 | | |
| Pa, | 132 | 336 | 150 | 249 | 70 | 89 | 311 | 542 | | |
| N. CENTRAL | 2,533 | 2,653 | 1,159 | 1,426 | 1,240 | 916 | 1,136 | 1,463 | | |
| Ohio nd. | 379 293 | 459 150 | 124 94 | 129 39 | 84 613 | 128 184 | 214 83 | 214 | | |
| II. | 993 | 1,456 | 592 | 1,187 | 335 | 370 | 508 | 685 | | |
| Mich. Wis. | 388 480 | 242 346 | 280 69 | 67 | 208 U | 176 58 | 246 85 | 328 98 | | |
| W.N. CENTRAL | 1.030 | 965 | 668 | 576 | 108 | 122 | 427 | 427 | | |
| Minn. | 222 | 287 | 212 | 321 | 9 | 9 | 178 | 131 | | |
| owa | 57 633 | 63 151 | 48 327 | 44 113 | 9 | 91 | 40 | 43 | | |
| Mo. N. Dak. | 3 | 9 | 2 | 3 | 72 | 91 | 151 | 158 | | |
| S. Dak. | 13 | 31 | 6 | 22 | | 1 | 17 | 17 | | |
| Nebr. Kans. | 65 37 | 358 66 | 35 38 | 19 54 | 10 | 6 13 | 16 19 | 26 | | |
| S. ATLANTIC | 2,201 | 3,878 | 406 | 1,185 | 1.803 | 2.356 | 2,487 | 2,772 | | |
| Del. | 12 | 35 | 8 | 33 | 8 | 20 | 12 | 33 | | |
| Md. D.C. | 147 50 | 193 | 50 U | 64 U | 307 59 | 617 84 | 241 45 | 270 | | |
| Va. | 122 | 183 | 51 | 81 | 142 | 137 | 247 | 250 | | |
| W. Va. N.C. | 189 | 11 299 | 5 80 | 7 169 | 400 | 3 664 | 35 348 | 398 | | |
| S.C. | 120 | 167 | 60 | 88 | 235 | 305 | 218 | 250 | | |
| Ga. | 212 | 1,005 | 37 | 233 | 368 | 263 | 532 | 459 | | |
| Fla. E.S. CENTRAL | 1,341 | 1,955 | 115 456 | 510 979 | 1,011 | 1.091 | 809 768 | 977 | | |
| Ky. | 954 225 | 1,239 | 450 | 45 | 94 | 1,091 | 166 | 1,04 | | |
| Tenn. | 508 | 627 | 399 | 716 | 561 | 513 | 272 | 364 | | |
| Ala. Miss. | 108 113 | 433 53 | 47 10 | 211 | 196 160 | 257 227 | 274 56 | 330 199 | | |
| W.S. CENTRAL | 2,429 | 3,985 | 1.849 | 1,279 | 837 | 960 | 1,265 | 2,200 | | |
| Ark. | 73 | 198 | 23 | 60 | 76 | 104 | 147 | 13 | | |
| La. Okla. | 118 448 | 315 491 | 111 149 | 272 152 | 208 164 | 384 81 | 120 | 25 14 | | |
| Tex. | 1,790 | 2,981 | 1,566 | 795 | 389 | 391 | 998 | 1,66 | | |
| MOUNTAIN | 1,038 | 1,176 | 636 | 677 | 205 | 217 | 384 | 49: | | |
| Mont. Idaho | 9 25 | 8 19 | 9 | 3 14 | 1 | 2 | 13 14 | 1 | | |
| Wyo. | 3 | 3 | 1 | 1 | - | 1 | 3 | | | |
| Colo. | 180 | 207 | 137 | 152 | 2 | 10 | U | 6 | | |
| N. Mex. Ariz. | 128 551 | 276 563 | 62 360 | 159 301 | 11 182 | 22 163 | 54 184 | 6 18 | | |
| Utah | 61 | 39 | 61 | 28 | 2 | 4 | 38 | 4 | | |
| Nev. | 81 | 61 | 6 | 19 | 6 | 15 | 78 | 10 | | |
| PACIFIC Wash. | 2,311 | 3,092 | 201 98 | 3,031 171 | 305 64 | 340 27 | 3,087 156 | 3,43 | | |
| Oreg. | 80 | 176 | 76 | 146 | 9 | 5 | 90 | 12 | | |
| Calif. Alaska | 2,097 | 2,660 | 2 | 2,660 | 228 | 304 | 2,630 51 | 2,88 | | |
| Hawaii | 29 | 46 | 25 | 49 | 3 | 3 | 160 | 15 | | |
| Guam | 8 | 34 | U | U | 1 | 1 | 11 | 8 | | |
| P.R. | 62 | 57 | U | U | 143 | 162 | 41 | 14 | | |
| V.I. Amer. Samoa | U | U | U | U | U | Ü | U | | | |
| C.N.M.I, | Ũ | Ü | Ũ | Ũ | Ũ | ŭ | Ũ | | | |

N: Not notifiable U: Unavailable -: no reported cases

^{**}Individual cases may be reported through both the National Electronic Telecommunications System for Surveillance (NETSS) and the Public Health Laboratory Information System (PHLIS).

**Cumulative reports of provisional tuberculosis cases for 1999 are unavailable ("U") for some areas using the Tuberculosis Information System (TIMS).

TABLE III. Provisional cases of selected notifiable diseases preventable by vaccination,
United States, weeks ending November 20, 1999,
and November 21, 1998 (46th Week)

| Reporting Area UNITED STATES NEW ENGLAND Maine Wass. R.J. Conn. MID. ATLANTIC Upstate N.Y. N.Y. City N.J. Pa. E.N. CENTRAL Official Mich. Wis. W.N. CENTRAL Minn. Iowa Mo. N. Dek. | H. Imflus invasor 1993 1,000 88 7 20 5 34 5 17 159 76 37 45 1 152 65 13 1 1 152 65 13 1 1 1 83 43 9 22 2 1 | | Cum. 1999 15,088 263 12 18 199 90 21 103 871 244 270 112 245 2,523 599 100 643 1,123 58 | Cum. 1998 19,930 261 19 14 15 114 16 83 1,534 321 538 319 358 319 37 278 144 720 | 5,592 93 1 15 3 3 3 3 4 2 5,592 93 1 1 15 3 3 3 4 2 5 5 5 7 7 1 1 5 6 6 6 7 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 8 7 8 | Cum. 1998 8,530 196 4 18 8 71 166 29 1,104 221 386 311 1,280 72 | Indig 1999 | Cum. 1998 58 6 | | es (Rubec orted* Cum. 1999 24 5 1 1 2 2 | Tu Cum. 1999 82 11 1 8 2 2 2 2 3 3 | Cum. 1998 88 3 |
|--|--|---|--|---|---|--|---------------|-------------------------|----------|--|--|-----------------------------|
| UNITED STATES NEW ENGLAND Maine N.H. V. Mass. R.J. R.J. Conn. MID. ATLANTIC Upstate N.Y. N.Y. CIV N.Y. CIV N.J. Pa. E. N. CENTRAL Ohio Ill Mich. Wis. W.N. CENTRAL Minn. Iowa Mio. | Corn. 1999* 1,000 88 7 20 5 34 5 17 159 76 37 45 1 152 51 22 65 13 1 83 43 9 22 1 | 956 64 3 10 8 37 5 1 1 156 55 40 51 10 164 46 40 59 12 7 | Cum. 1999 15,088 263 12 18 19 90 21 103 871 245 2523 599 100 643 1,123 58 | Cum. 1998 19,930 261 19 14 15 114 16 83 1,534 321 321 339 356 3,207 278 144 720 | 5,592 93 1 15 3 38 34 2 538 166 175 41 156 571 84 36 | 8,530 196 4 18 8 71 66 29 1,104 221 386 311 1,280 | 1999 | Cum. 1999 58 6 | 1900 | 24 5 1 3 1 2 2 | Cum. 1999 82 11 1 8 2 2 2 | Cum. 1998 88 3 |
| NEW ENGLAND Waine Waine N.H. Vt. Mass. R.I. Conn. MID. ATLANTIC Upstate N.Y. N.Y. City Pa. E.N. CENTRAL Dhio Ind. III. III. III. III. IIII. IIIII. IIII. IIIIII | 88 7 20 5 34 5 17 159 76 37 45 1 152 65 13 1 83 43 9 22 1 | 64 3 10 8 37 5 1 1 156 55 40 51 10 164 40 59 12 7 | 263 12 18 19 90 21 103 871 244 270 112 245 2,523 599 100 643 58 | 261 19 14 15 114 16 83 1,534 321 538 319 356 3,207 278 144 720 | 93 1 15 3 38 34 2 538 166 175 41 156 571 84 36 | 196 4 18 8 71 66 29 1,104 221 386 186 311 1,280 | | 5 | | 5 1 3 1 2 2 2 | 11 8 2 2 2 2 2 2 | 1 2 14 2 8 4 |
| NEW ENGLAND Maine Mass. Mass. Lt. Conn. MID. ATLANTIC JUSTATE N.Y. N.Y. City N.Y. City N.Y. City No. CENTRAL Chile Milch Milch Miss. W.N. CENTRAL Minn. Owen Mo. | 88 7 20 5 34 5 17 159 76 37 45 1 152 65 13 1 83 43 9 22 1 | 64 3 10 8 37 5 1 1 156 55 40 51 10 164 40 59 12 7 | 263 12 18 19 90 21 103 871 244 270 112 245 2,523 599 100 643 58 | 261 19 14 15 114 16 83 1,534 321 538 319 356 3,207 278 144 720 | 93 1 15 3 38 34 2 538 166 175 41 156 571 84 36 | 196 4 18 8 71 66 29 1,104 221 386 186 311 1,280 | Ü | 5 | | 5 1 3 1 2 2 2 | 11 8 2 2 2 2 2 2 | 1 2 14 2 8 4 |
| Maine M.H. /t. Mass. R.L. Jonn. MilD. ATLANTIC Jostate N.Y. V.Y. City V.J. Pa. E.N. CENTRAL Johio nd. II. Mich. Wish. Wish. W.N. CENTRAL Minn. owa Mo. | 7 20 5 34 5 17 159 76 37 45 1 152 51 13 22 65 13 43 9 22 1 | 3 10 8 37 5 1 156 55 40 51 10 46 40 59 12 7 | 12 18 19 90 21 103 871 244 270 112 245 2,523 599 100 643 1,123 58 | 19 14 15 114 16 83 1,534 321 538 319 356 3,207 278 144 720 | 1 15 3 38 34 2 538 166 175 41 156 571 84 36 | 4 18 8 71 66 29 1,104 221 386 186 311 1,280 | Ü | 5 | | 1 2 2 | 1 8 2 2 2 2 2 | 14 2 8 4 |
| /t. Aass. Li. Conn. Lilling ATLANTIC Jostate N.Y. Ly. City Ly. Lilling Atlantic Josian Lilling Atlantic Mich. Wis. A.N. CENTRAL Minn. Owa Mo. | 5 34 5 17 159 76 37 45 1 152 551 22 65 13 1 83 43 9 22 2 | 8 37 5 1 156 55 40 51 10 164 46 40 59 12 7 | 19 90 21 103 871 244 270 112 245 2,523 599 100 643 1,123 58 | 15 114 16 83 1,534 321 538 319 356 3,207 278 144 720 | 3 38 34 2 538 166 175 41 156 571 84 36 | 8 71 66 29 1,104 221 386 186 311 1,280 | Ü | 5 | | 3 1 2 2 2 | 2 2 2 | 14 2 8 4 |
| Mass. S.L. Conn. MID. ATLANTIC Jpstate N.Y. V.Y. City V.J. Pa. E. N. CENTRAL Dhio nd. H. Mich. Wis. W.N. CENTRAL Minn. owa Mo. | 34 5 17 159 76 37 45 1 152 51 22 65 13 1 83 43 9 22 1 | 37 5 1 156 55 40 51 10 164 46 40 59 12 7 | 90 21 103 871 244 270 112 245 2,523 599 100 643 1,123 58 | 114 16 83 1,534 321 538 319 356 3,207 278 144 720 | 38 34 2 538 166 175 41 156 571 84 36 | 71 66 29 1,104 221 386 186 311 1,280 | Ü | 1 | | 1 2 2 | 2 2 2 | 14 2 8 4 |
| S.I. Conn. MID. ATLANTIC Jostate N.Y. V.Y. City V.J. Pa. E.N. CENTRAL Dhio nd. II. Mich. Wis. A.N. CENTRAL Minn. owa Mo. | 5 17 159 76 37 45 1 152 51 22 65 13 1 83 43 9 22 1 | 5 1 156 55 40 51 10 164 46 40 59 12 7 | 21 103 871 244 270 112 245 2,523 599 100 643 1,123 58 | 16 83 1,534 321 538 319 356 3,207 278 144 720 | 34 2 538 166 175 41 156 571 84 36 | 66 29 1,104 221 386 186 311 1,280 | Ü | 1 | | 1 2 2 | 2 2 2 | 14 2 8 4 |
| Jonn. Julia ATLANTIC Jpstate N.Y. J.Y. City J.J. J.J. J.B. E.N. CENTRAL Jhio Julia Mich. Nis. N.N. CENTRAL Julia Minn. Julia Ju | 17 159 76 37 45 1 152 51 22 65 13 1 83 43 9 22 | 1 156 55 40 51 10 164 46 40 59 12 7 | 103 871 244 270 112 245 2,523 599 100 643 1,123 58 | 83 1,534 321 538 319 356 3,207 278 144 720 | 2 538 166 175 41 156 571 84 36 | 29 1,104 221 386 186 311 1,280 | Ü | 1 | | 2 2 | 2 | 14 2 8 4 |
| Jostate N.Y. 4.Y. City 4.J. 2. 2. 3. 3. 4. 4. 5. 4. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. | 76 37 45 1 152 51 22 65 13 1 83 43 9 22 1 | 55 40 51 10 164 46 40 59 12 7 | 244 270 112 245 2,523 599 100 643 1,123 58 | 321 538 319 356 3,207 278 144 720 | 166 175 41 156 571 84 36 | 221 386 186 311 1,280 | Ü | 1 | U | 2 | 2 | 8 4 |
| Jostate N.Y. 4.Y. City 4.J. 2. 2. 3. 3. 4. 4. 5. 4. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. | 76 37 45 1 152 51 22 65 13 1 83 43 9 22 1 | 55 40 51 10 164 46 40 59 12 7 | 244 270 112 245 2,523 599 100 643 1,123 58 | 321 538 319 356 3,207 278 144 720 | 166 175 41 156 571 84 36 | 221 386 186 311 1,280 | Ü | 1 | Ü | | 2 | 8 |
| v.J. 2°a. E.N. CENTRAL Dhio nd. III. Wich. Wis. W.N. CENTRAL Minn. owa Mo. | 45 1 152 51 22 65 13 1 83 43 9 22 1 | 51 10 164 46 40 59 12 7 84 65 | 112 245 2,523 599 100 643 1,123 58 | 319 356 3,207 278 144 720 | 41 156 571 84 36 | 186 311 1,280 | U | | U | - | | 4 |
| Pa. E.N. CENTRAL Dhio nd. II. Wich. Wish. | 1 152 51 22 65 13 1 83 43 9 22 | 10 164 46 40 59 12 7 84 65 | 245 2,523 599 100 643 1,123 58 | 356 3,207 278 144 720 | 156 571 84 36 | 311 1,280 | U | 1 | U | | | 4 |
| E.N. CENTRAL Dhio nd. II. Wich, Wis. N.N. CENTRAL Minn. owa Mo. | 152 51 22 65 13 1 83 43 9 22 | 164 46 40 59 12 7 84 65 | 2,523 599 100 643 1,123 58 | 3,207 278 144 720 | 571 84 36 | 1,280 | | 1 | | | | |
| Dhio nd. II. Wich. Wis. W.N. CENTRAL Minn. Jowa Mo. | 51 22 65 13 1 83 43 9 22 | 46 40 59 12 7 84 65 | 599 100 643 1,123 58 | 278 144 720 | 84 36 | | | | | | | |
| nd. II. Wich. Wish. Wis. W.N. CENTRAL Minn. Iowa Mo. | 22 65 13 1 83 43 9 22 | 40 59 12 7 84 65 | 100 643 1,123 58 | 144 720 | 36 | | | | | 2 | - | 1 |
| II. Wich. Wis. W.N. CENTRAL Minn. owa Mo. | 65 13 1 83 43 9 22 | 12 7 84 65 | 1,123 58 | | | 103 | * | 1 | | 1 | 2 | 3 |
| Vis. V.N. CENTRAL Vinn. owa Mo. | 1 83 43 9 22 1 | 7 84 65 | 58 | | 1 | 214 | - | | | * | * | |
| W.N. CENTRAL Minn. owa Mo. | 83 43 9 22 | 84 65 | | 1,888 | 431 19 | 413 478 | U | - | U | 1 | 1 | 10 |
| Minn. owa Mo. | 43 9 22 1 | 65 | | | | | U | | | | | , |
| owa Mo. | 9 22 1 | | 843 | 1,244 | 332 | 368 45 | * | 1 | * | | 1 | |
| Mo. | 22 | | 93 127 | 118 392 | 50 35 | 52 | | 1 | | - | 1 | - |
| | 1 | 10 | 521 | 579 | 203 | 220 | - | | | - | | - |
| | | | 3 | 3 | 2 | 4 | U | | U | - | * | - |
| S. Dak. | 1 | | 9 | 31 | .1 | 2 | U | - | U | | + | - |
| Vebr. Cans. | 3 4 | 1 6 | 50 40 | 25 96 | 14 27 | 20 25 | Ü | - | u | | | - |
| | | | | | | | U | 14 | 0 | | 20 | 8 |
| S. ATLANTIC Del. | 216 | 169 | 1,816 | 1,808 | 1,094 | 927 | U | 14 | Ü | 6 | 20 | 1 |
| Md. | 55 | 50 | 319 | 371 | 151 | 124 | - | | - | | | 1 |
| D.C. | 4 | - | 54 | 56 | 23 | 11 | U | - | U | - | | |
| Va. | 18 | 16 | 164 | 190 | 86 22 | 90 | Ú | 14 | ú | 4 | 18 | 2 |
| W. Va. N.C. | 31 | 23 | 145 | 115 | 208 | 212 | Ü | | Ü | | | |
| S.C. | 5 | 3 | 44 | 37 | 65 | 41 | - | | - | - | + | |
| Ga. | 55 | 43 | 439 | 580 | 159 | 127 | - | * | | - | - | 2 |
| Fla. | 42 | 28 | 615 | 449 | 379 | 311 | U | * | U | 2 | 2 | 2 |
| E.S. CENTRAL | 51 | 56 | 353 | 374 | 366 | 460 | - | 2 | ~ | ~ | 2 | 2 |
| Ky. Tenn. | 6 27 | 7 32 | 61 142 | 30 205 | 42 165 | 46 252 | | 2 | - | * | 2 | 1 |
| Ala. | 15 | 14 | 54 | 72 | 77 | 68 | - | - | - | - | - | 1 |
| Miss. | 3 | 3 | 96 | 67 | 82 | 94 | - | - | - | | * | |
| W.S. CENTRAL | 45 | 51 | 3,579 | 3,663 | 779 | 1,878 | - | 9 | | 4 | 13 | - |
| Ark. | 2 | - | 58 | 78 | 64 | 99 | - | 4 | | | 4 | * |
| La. | 7 | 21 | 73 | 98 | 77 | 152 | U | + | U | - | * | |
| Okla. Tex. | 32 | 27 3 | 412 3,036 | 539 2,948 | 110 528 | 92 1,535 | | 5 | | 4 | 9 | - |
| MOUNTAIN | | | | | | | | 3 | | | 3 | 4 |
| Mont. | 101 | 106 | 1,160 | 2,864 91 | 512 17 | 733 | Ú | 3 | Ú | - | 3 | 4 |
| Idaho | 1 | 1 | 40 | 226 | 27 | 40 | - | | - | | | |
| Wyo. | 1 | 1 | 7 | 36 | 13 | 9 | | | - | * | | |
| Colo. | 11 | 21 | 201 | 301 | 87 | 98 | * | - | - | * | | * |
| N. Mex. Ariz. | 18 54 | 6 54 | 47 670 | 137 1,692 | 156 132 | 284 160 | Ū | 1 | U | - | 1 | 4 |
| Utah | 10 | 4 | 56 | 176 | 34 | 65 | | 2 | - | | 2 | - |
| Nev. | 3 | 19 | 122 | 205 | 46 | 72 | U | - | U | - | - | |
| PACIFIC | 105 | 106 | 3,680 | 4,975 | 1,307 | 1,584 | | 22 | - | 5 | 27 | 42 |
| Wash. | 6 | 9 | 299 | 906 | 63 | 100 | | | - | - | | 1 |
| Oreg. | 39 | 38 | 221 | 405 | 81 | 177 | U | 9 | U | - | 9 | 8 |
| Calif. Alaska | 46 6 | 47 | 3,135 | 3,595 | 1,136 | 1,279 | ú | 13 | Ü | 4 | 17 | 33 |
| Hawaii | 8 | 8 | 15 | 52 | 13 | 15 | U | - | | 1 | 1 | 33 |
| Guam | - | | 2 | 1 | 2 | 2 | U | 1 | U | | 1 | |
| P.R. | 1 | 2 | 112 | 67 | 102 | 225 | ŭ | 1 | Ü | - | | |
| V.I. | U | U | U | U | U | U | U | U | U | U | U | U |
| Amer. Samoa C.N.M.I. | U | U | U | U | U | U | U | U | U | U | U | U |

N: Not notifiable

U: Unavailable

-; no reported cases

*For imported measles, cases include only those resulting from importation from other countries.

*For imported measles, cases include only those resulting from importation from other countries.

Of 192 cases among children aged <5 years, serotype was reported for 98 and of those, 27 were type b.

TABLE III. (Cont'd.) Provisional cases of selected notifiable diseases preventable by vaccination, United States, weeks ending November 20, 1999, and November 21, 1998 (46th Week)

| | Mening Dise | 1890 | | Mumps | | | Pertussis | | | Rubella | |
|-----------------------|----------------|--------------|------|--------------|--------------|------|--------------|--------------|------|--------------|--------------|
| Reporting Area | Cum. 1999 | Cum. 1998 | 1999 | Cum. 1999 | Cum. 1998 | 1999 | Cum. 1999 | Cum. 1998 | 1999 | Cum. 1999 | Cum. 1998 |
| UNITED STATES | 2,073 | 2,348 | 3 | 308 | 590 | 89 | 5,031 | 5,996 | 2 | 230 | 348 |
| IEW ENGLAND | 102 | 107 | | 8 | 8 | 7 | 606 | 935 | | 7 | 38 |
| Maine | 5 | 6 | - | - | | - | - | 5 | - | - | - |
| I.H. 't. | 13 | 11 | - | 1 | | 4 | 78 67 | 109 71 | - | | - |
| Aass. | 58 | 52 | - | 4 | 5 | 3 | 400 | 698 | - | 7 | 8 |
| R.I. | 6 | 8 25 | - | 2 | 1 | - | 33 | 9 | - | | 1 |
| Onn. MID. ATLANTIC | 15 195 | 255 | | - | 185 | - | 28 840 | 43 | - | | 29 |
| Jpstate N.Y. | 62 | 72 | 2 2 | 32 12 | 7 | 24 | 669 | 574 300 | 2 2 | 24 20 | 147 |
| V.Y. City | 49 | 31 | - | 3 | 155 | - | 10 | 41 | * | | 19 |
| N.J. Pa. | 45 39 | 55 97 | U | 17 | 6 17 | U | 12 149 | 25 208 | U | 1 3 | 13 |
| .N. CENTRAL | 355 | 358 | 0 | 39 | 76 | 3 | 429 | 771 | 0 | 2 | 1 |
| Ohio | 124 | 127 | | 17 | 27 | 3 | 188 | 261 | | 2 | |
| nd. | 61 | 66 | - | 4 | 7 | 3 | 71 | 159 | * | 1 | |
| II. Mich. | 96 42 | 92 42 | ű | 11 7 | 10 29 | Ü | 68 54 | 115 66 | Ú | 1 | |
| Nis. | 32 | 31 | ŭ | - | 3 | ŭ | 48 | 170 | Ü | | |
| W.N. CENTRAL | 226 | 202 | | 13 | 32 | 1 | 366 | 538 | - | 124 | 39 |
| Minn. | 49 | 31 39 | * | 7 | 13 | | 188 | 306 | * | 5 | |
| lowa Mo. | 91 | 71 | | 1 | 11 | 1 | 54 61 | 68 35 | - | 29 | 2 |
| N. Dak. | 4 | 5 | U | 1 | 2 | U | 18 | 4 | U | - | - |
| S. Dak. Nebr. | 11 | 7 | U | * | | U | 6 | 8 16 | U | 87 | - |
| Kans. | 18 | 33 | U | 3 | 3 | U | 35 | 101 | U | 0/ | 37 |
| S. ATLANTIC | 373 | 403 | | 49 | 47 | 25 | 392 | 307 | - | 36 | 19 |
| Del. | 8 | 2 | U | ~ | | U | 5 | 5 | U | | - |
| Md. D.C. | 51 | 30 | U | 7 2 | | 3 | 106 | 61 | U | 1 | 1 |
| Va. | 50 | 40 | | 10 | 8 | 20 | 50 | 36 | | | 1 |
| W. Va. N.C. | 7 | 17 55 | U | 8 | 11 | U | 3 86 | 98 | U | 35 | ** |
| S.C. | 43 | 53 | U | 4 | 7 | U | 17 | 27 | U | 30 | 13 |
| Ga. | 59 | 91 | | 4 | 1 | 2 | 40 | 27 | | - | 4 |
| Fla. | 113 | 114 | U | 14 | 20 | U | 85 | 50 | U | | 4 |
| E.S. CENTRAL Ky. | 127 30 | 181 | - | 13 | 15 | - | 72 21 | 131 64 | - | 1 | 2 |
| Tenn. | 43 | 63 | - | 2 | 1 | - | 27 | 35 | | | 2 |
| Ala. | 32 | 49 | | 10 | 8 | + | 21 | 26 | + | 1 | |
| Miss. | 22 | 35 | - | 3 | 6 | | 3 | 6 | | | |
| W.S. CENTRAL Ark. | 167 32 | 274 | | 33 | 56 12 | 17 | 157 18 | 348 | - | 15 | 88 |
| La. | 34 | 53 | U | 3 | 7 | U | 3 | 9 | U | - | - |
| Okla. | 27 74 | 39 | - | 1 29 | 37 | - | 12 | 32 226 | - | 9 | 88 |
| Tex. MOUNTAIN | 128 | 154 133 | 1 | | | 23 | 124 673 | 1,065 | | 16 | |
| Mont. | 4 | 4 | Ú | 28 | 37 | U | 2 | 12 | U | 10 | 5 |
| ldaho | 10 | 11 | 1 | 3 | 5 | 2 | 139 | 216 | | | |
| Wya. Calo. | 32 | 6 26 | | 5 | 1 | 5 | 190 | 274 | - | 1 | |
| N. Mex. | 14 | 25 | N | N | N | 16 | 175 | 94 | | | 1 |
| Ariz. | 42 | 39 | U | 8 | 6 | U | 102 | 191 | U | 13 | 1 |
| Utah Nev. | 15 7 | 13 | u | 5 | 14 | Ü | 56 7 | 229 41 | Ü | 1 | 2 |
| PACIFIC | 400 | 435 | - | 93 | 134 | 6 | 1.496 | 1.327 | | 5 | 10 |
| Wash. | 61 | 59 | | 2 | 10 | 4 | 598 | 305 | - | - | 6 |
| Oreg. | 71 255 | 76 292 | N | N 77 | N 98 | 2 | 55 805 | 903 | U | 5 | 3 |
| Calif. Alaska | 6 | 3 | U | 2 | 2 | Ü | 5 | 14 | U | 5 | |
| Hawaii | 7 | 5 | | 12 | 24 | - | 33 | 20 | - | - | 2 |
| Guam | 2 | 2 | U | 1 | 5 | U | .1 | 1 | U | | |
| P.R. V.I. | 5 U | 10 U | U | Ü | 3 | U | 16 U | 9 | U | Ü | 14 |
| Amer. Samoa | U | U | U | Ü | Ü | U | U | U | U | U | U |
| C.N.M.I. | U | U | Ü | U | U | U | U | U | U | U | L |

TABLE IV. Deaths in 122 U.S. cities,* week ending November 20, 1999 (46th Week)

| | A | II Cau | ses, By | Age (Y | ears) | | P&I | | A | Al Cau | ses, By | Age (Y | oars) | | P&I [†] |
|--|--|--|---|--|---|--|--|--|---|--|---|---|---|---|---|
| Reporting Area | Ali Ages | ≥65 | 45-64 | 25-44 | 1-24 | <1 | Total | Reporting Area | All Ages | ≥65 | 45-64 | 25-44 | 1-24 | <1 | Total |
| NEW ENGLAND Boston, Mass. Bridgeport, Conn. Cambridge, Mass. Fall River, Mass. Hartford, Conn. Lowell, Mass. Lynn, Mass. New Bedford, Mass. New Haven, Conn. Providence, R.I. Somerville, Mass. | 386 U 444 177 177 599 200 155 255 544 611 5 | 287 U 366 13 111 41 15 11 22 366 45 236 | 71 U 7 4 4 11 3 4 2 11 12 2 6 | 20 U 2 4 2 1 5 2 | 4 U 1 | 4 U | 37 U 4 3 - 2 2 6 2 4 5 5 | S. ATLANTIC Atlanta, Ga. Baltimore, Md. Charlotte, N.C. Jacksonville, Fla. Miami, Fla. Norfolk, Ve. Richmond, Va. Sevannah, Ga. St. Petersburg, Fla. Tampa, Fla. Washington, D.C. | 979 U 147 110 139 U 47 63 43 U 225 194 | 852 U 81 74 99 U 35 39 33 U 161 121 | 185 U 36 24 22 U 4 14 7 U 39 37 | 97 U 23 7 13 U 5 7 3 U 17 22 | 27 U 6 3 2 U - 2 | 18 U 1 2 3 U 3 1 U 4 4 | 49 U 13 8 8 U 2 4 1 U 7 6 |
| Springfield, Mass. Waterbury, Conn. Worcester, Mass. MID. ATLANTIC Albany, N.Y. Allentown. Pa. Buffalo, N.Y. Camden, N.J. Elizabeth, N.J. Erie, Pa. | 2,633 61 U 81 32 24 49 | 1,855 47 U 56 17 20 34 | 512 9 U 14 11 3 10 | 173 3 U 7 1 | U 50 U 4 1 1 2 | U 42 2 U 2 | 112 3 U 1 2 | Wilmington, Del. E.S. CENTRAL Birmingham, Ala. Chattanooga, Tenn. Knoxville, Tenn. Lexington, Ky. Memphis, Tenn. Mobile, Ala. Montgomery, Ala. Nashville, Tenn. | 900 201 76 63 65 222 65 59 149 | 9 604 133 52 41 46 144 50 40 98 | 190 44 13 15 13 46 13 14 32 | 61 15 6 5 4 13 2 4 | 17 3 2 1 1 7 | 26 4 3 1 1 12 1 4 | 80 26 6 5 4 18 5 8 |
| Jersey City, N.J. New York City, N.Y. Newark, N.J. Paterson, N.J. Paterson, N.J. Paterson, N.J. Paterson, N.J. Reading, Pa. Rochester, N.Y. Schenectady, N.Y. Scranton, Pa. Syracuse, N.Y. Utica, N.Y. Yonkers, N.Y. | 31 1,420 48 21 397 83 28 153 22 40 99 44 U | 23 995 21 11 272 51 24 122 19 34 77 32 U | 289 15 5 84 16 22 1 6 17 5 | 3 95 11 2 24 7 3 6 2 | 23 1 13 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 177 3 4 9 9 | 36 6 14 4 2 20 4 12 3 U | W.S. CENTRAL Austin, Tex. Baton Rouge, La. Corpus Christi, Tex. Dallas, Tex. El Paso, Tex. Ft. Worth, Tex. Houston, Tex. Little Rock, Ark. New Orleans, La. San Antonio, Tex. Shreveport, La. Tulsa, Okla. | 1,168 83 67 49 205 80 129 U 76 U 268 74 137 | 794 58 51 34 127 49 82 U 52 U 188 46 107 | | 84 3 2 23 2 14 U 9 U 19 2 6 | 36 2 3 1 10 6 4 U 2 U 4 2 2 | 33 4 3 2 7 4 U 3 U 6 2 2 | 62 5 3 4 1 15 U 3 U 16 6 9 |
| E.N. CENTRAL Akron, Ohio Canton, Ohio Chicago, Ill. Cincinnati, Ohio Cleveland, Ohio Columbus, Ohio Dayton, Ohio Detroit, Mich. Evansville, Ind. Fort Wayne, Ind. | 1,972 62 41 386 U 137 212 127 157 61 78 | 1,345 44 24 232 U 90 162 93 87 43 | 13 12 80 10 35 23 23 20 739 31 13 | 23 4 4 | 13 U 2 3 8 1 | 52 2 4 29 U 2 5 2 | U 11 9 5 | MOUNTAIN Albuquerque, N.M. Boise, Idaho Colo. Springs, Colo Denver, Colo. Las Vingss, Nev. Ogden, Utah Phoenix, Ariz. Pueblo, Colo. Salt Lake City, Utah Tucson, Ariz. | 95 202 U 167 26 | 713 80 38 51 73 145 U 106 19 73 128 | 16 10 11 11 39 U 34 3 | 76 10 3 7 7 16 U 16 2 8 7 | 20 2 1 2 1 U 6 1 4 3 | 19 1 3 4 1 U 5 1 3 | 58 11 5 6 5 12 U 2 2 10 |
| Gary, Ind. Grand Rapids, Mich Indianapolis, Ind. Lansing, Mich. Milwaukee, Wie. Peoria, III. Rockford, III. South Bend, Ind. Toledo, Ohio Youngstown, Ohio | U | 31 93 25 114 33 34 36 6 | U 11 3 33 6 8 7 27 5 9 2 7 6 7 1 22 | 14 4 7 1 2 3 | 5 2 6 3 5 | 22 1 | 3839342 | PACIFIC Berkeley, Calif. Fresno, Calif. Glendale, Calif. Honolulu, Hawaii Long Beach, Calif. Los Angeles, Calif. Pasadena, Calif. Portland, Oreg. Sacramento, Calif. | 1,525 13 134 26 89 63 333 29 222 U | 1,067 8 99 18 59 42 235 23 156 | 3 23 7 16 11 59 6 45 U | 102 6 1 9 6 22 14 U | 35 5 2 3 10 | 37 2 1 3 1 7 | 133 12 4 6 13 20 4 21 |
| W.N. CENTRAL Des Moines, lowa Duluth, Minn. Kansas City, Kans. Kansas City, Mo. Lincoln, Nebr. Minneapolis, Minn. Omaha, Nebr. St. Louis, Mo. St. Paul, Minn. Wichitz, Kans. | 680 58 40 39 85 37 221 94 U | 2: 2: 5: 3: 16: 7 | 11 2 | 1 2 3 7 7 12 3 U U | 16 2 1 1 4 2 3 U | 730 | 12 1 1 4 4 5 7 22 3 3 0 0 | San Diego, Calif. San Francisco, Calif. San Jose, Calif. Santa Cruz, Calif. Seattle, Wash. Spokane, Wash. Tacoma, Wash. TOTAL | 169 | 114 U 80 23 81 34 95 | 27 U 22 5 41 4 4 15 | 16 U 6 2 18 2 790 | 7 U 1 3 3 255 | 5 U 5 4 2 1 252 | 1 |

U: Unavailable : no reported cases

*Mortality data in this table are voluntarily reported from 122 cities in the United States, most of which have populations of 100,000 or more. A death is reported by the place of its occurrence and by the week that the death certificate was filed. Fetal deaths are not included.

included.

Phesumonia and influenza.

Because of changes in reporting methods in this Pennsylvania city, these numbers are partial counts for the current week. Complete counts will be available in 4 to 5 weeks.

Total includes unknown ages.

the region without any recognized governments. The intensified campaigns, additional NIDs, and rapid development of surveillance require substantial additional human and financial resources that must be provided jointly by the concerned governments and partner agencies and by the global coalition of partners and local NGOs in areas without a government.

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Contributors to the Production of the MMWR (Weekly) Weekly Notifiable Disease Morbidity Data and 122 Cities Mortality Data

Samuel L. Groseclose, D.V.M., M.P.H.

State Support Team Robert Fagan Jose Aponte Paul Gangarosa, M.P.H. Gerald Jones David Nitschke Carol A. Worsham CDC Operations Team Carol M. Knowles Deborah A. Adams Willie J. Anderson Fredrick Browder Patsy A. Hall Kathryn Snavely

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Morie M. Higgins Graphics Support Jill Crane Director, Epidemiology Program Office Stephen B. Thacker, M.D., M.Sc. Disease Control and Prevention Director, Centers for Disease Jeffrey P. Koplan, M.D., M.P.H. Deputy Director, Centers for Claire V. Broome, M.D. Control and Prevention Editor, MMWR Series John W. Ward. M.D.

Managing Editor, MMWR (weekly) Writers-Editors, MMWR (weekly) Desktop Publishing and Karen L. Foster, M.A. feresa F. Rutledge Caran R. Wilbanks David C. Johnson

Peter M. Jenkins

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